

PERCY LIANG

- Interests** Machine learning and natural language processing (probabilistic modeling, unsupervised learning, learning theory)
- Education** UNIVERSITY OF CALIFORNIA AT BERKELEY *Aug. 2005 - present* Berkeley, CA
Ph.D. expected in 2010. Coursework: probability theory, theoretical statistics, convex optimization, topology/analysis, MCMC, computer vision, natural language processing, linguistics (syntax). GPA 3.96/4.0.
MASS. INSTITUTE OF TECHNOLOGY *Sept. 2000 - May 2005* Cambridge, MA
B.S. in computer science and mathematics with music minor (June 2004); M.S. in computer science (June 2005). GPA 5.0/5.0.
- Research** REFEREED PUBLICATIONS in Bayesian nonparametric modeling, approximate inference, parsing, word alignment, machine translation, historical linguistics. See <http://www.cs.berkeley.edu/~плиang/papers> for details.
TUTORIAL *Structured Bayesian Nonparametric Models with Variational Inference*: at Association for Computational Linguistics (ACL) 2007, with Dan Klein.
- Experience** MICROSOFT RESEARCH *June 2005 - Aug. 2005* Cambridge, UK
Research intern. Created Bayesian models for recognizing hand-drawn diagrams.
MICROSOFT RESEARCH *June 2004 - Sept. 2004* Redmond, WA
Research intern. Designed parsing algorithms and machine learning techniques to interpret images of math expressions.
MIT COMPUTER SCIENCE AND AI LAB *Sept. 2003 - May 2005* Cambridge, MA
Masters student. Leveraged unlabeled data for natural language processing tasks.
MIT LAB FOR COMPUTER SCIENCE *Jan. 2002 - Sept. 2003* Cambridge, MA
Research assistant. Developed and analyzed algorithms and data structures for hypertrees with applications to machine learning.
GOOGLE *June 2002 - Aug. 2002* Mountain View, CA
Designed and developed the global work queue (precursor to MapReduce), which provides a transparent interface for parallelizing large-scale jobs.
IBM *June 2001 - Aug. 2001* Cambridge, MA
Intern in the Extreme Blue program. Developed a platform for rapid development and deployment of long-lived Javascript programs
ITA SOFTWARE *Oct. 2000 - May 2001* Cambridge, MA
Designed algorithms for efficient air fares search.
INTEL *May 2000 - Aug. 2000* Chandler, AZ
Developed a Wiki system for internal use.
- Teaching** PRACTICAL MACHINE LEARNING. *Spring 2008* Teaching assistant.
STATISTICAL LEARNING THEORY (CS281A). *Fall 2007* Teaching assistant.
USA COMPUTING OLYMPIAD *2003 - present* Coach. Prepared contest problems and taught algorithms to top high school students at a one-week invitational.
- Awards** NATIONAL DEFENSE SCIENCE AND ENGINEERING GRADUATE FELLOWSHIP *2006*
NSF GRADUATE RESEARCH FELLOWSHIP *2006*
ACM INTERNATIONAL COLLEGIATE PROGRAMMING CONTEST
2nd place at World Finals out of 2,770 teams from 67 countries. *2002* Honolulu, HI
Member of a 3-person team required to solve 8–10 problems in 5 hours.
INTERNATIONAL OLYMPIAD IN INFORMATICS
Silver medalist out of 276 participants from 71 countries. *2000* Beijing, China
Bronze medalist out of 260 participants from 65 countries. *1999* Antalya, Turkey
One of the top 4 to represent the U.S. Individual competition involved solving and implementing solutions to 3 algorithmic problems in 5 hours.
OTHER
Phoenix Young Musicians Competition - 1st place. Solo performance with the Phoenix Symphony. *2000* Phoenix, AZ
- Languages** English, Chinese, Java, Ruby, C++, C#, Python, Matlab, Scheme, Objective Caml